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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00

Complete if Known

Application Number	09/647,841
Filing Date	October 5, 2000
First Named Inventor	Ilga Winicov
Examiner Name	Baum, Stuart F.
Art Unit	1636
Attorney Docket No.	112624.00020

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit
Account
Number
Deposit
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17-0055

Quarles & Brady LLP

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$ 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims		Fee from below		Fee Paid
Total Claims	<input type="text"/>	-20*	= <input type="text"/>	X	<input type="text"/>	= 0.00
Independent Claims	<input type="text"/>	-3**	= <input type="text"/>	X	<input type="text"/>	= 0.00
Multiple Dependent	<input type="text"/>				<input type="text"/>	= <input type="text"/>

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity

Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 180.00

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Barbara J. Luther	Registration No. (Attorney/Agent)	33,954	Telephone	602-230-5502
Signature	<i>Barbara J. Luther</i>	Date	September 8, 2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Winicov, Ilga

Serial No.: 09/647,841

Filed: October 5, 2000

For: *EXPRESSION OF ALFINI AND METHODS FOR
PRODUCING TRANSGENIC PLANTS HAVING
INCREASED ROOT GROWTH AND ROOT
SPECIFIC GENE ACTIVATION*

Art Unit: 1638

Examiner: Baum, Stuart F.

INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 C.F.R. § 1.97

MAIL STOP AMENDMENT

Commissioner for Patents
U.S. Patent & Trademark Office
P.O. Box 1450
Alexandria, VA 22313

Dear Sir:

Applicant hereby brings to the attention of the Examiner the documents noted on the accompanying Form PTO-1449. This Information Disclosure Statement is being filed after the mailing date of a first Office Action on the merits.

It is respectfully requested that the information cited herein be expressly considered during the prosecution of this application and made of record on any patent to issue therefrom. Inclusion of a reference on the enclosed 1449 is not to be construed as indicating the reference is prior art. Provision of this Information Disclosure Statement is not to be taken as evidence that a search has been conducted.

The Commissioner is hereby authorized to charge any cost that may be due to Deposit Account No. 17-0055.

Respectfully submitted,
QUARLES & BRADY STREICH LANG, LLP

09/13/2004 CNGUYEN 00000017 170055 09647841

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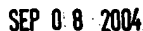
September 8, 2004

By: Barbara J. Luther
Barbara J. Luther, Reg. No. 33,954

Attorney Docket No. 112624.00020

Address all correspondence to:

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(Use as many sheets as necessary)

Sheet	1	of	3
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Application Number	09/647,841
Filing Date	October 5, 2000
First Named Inventor	Ilgá Winicov
Art Unit	1638
Examiner Name	Baum, Stuart F.
Attorney Docket Number	112624.00020

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

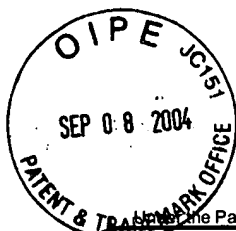
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Examiner Signature		Date Considered	
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	09/647,841
Filing Date	October 5, 2000
First Named Inventor	Ilga Winicov
Art Unit	1638
Examiner Name	Baum, Stuart F.
Attorney Docket Number	112624.00020

Sheet 2 of 3

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A	JOHN W. SCHIEFELBEIN, Building a Root: The Control of Patterning and Morphogenesis during Root Development, The Plant Cell, July 1997, 1089-1098, Vol 9, American Society of Plant Physiologists	
	B	WOUT BOERJAN, supperroot, a Recessive Mutation in Arabidopsis, Confers Auxin Overproduction, The Plant Cell, Sept. 1995, 1405-1419, Vol 7, American Society of Plant Physiologists	
	C	ROBERT A. CREELMAN, Water Deficit and Absciscic Acid Cause Differential Inhibition of Shoot versus Root Growth in Soybean Seedlings, Plant Physiol., 1990, 205-214, Vol. 93	
	D	RAUL B. LARSEN, AI Inhibits Both Shoot Development and Root Growth in als3, an AI-Sensitive Arabidopsis Mutant, Plant Physiol., 1997, 1207-1214, Vol. 114.	
	E	M.R. FOOLAD, Mapping salt-tolerance genes in tomato (Lycopersicon esculentum) using trait-based marker analysis, Theor Appl Genet, 1993, 184-192, Vol. 87.	
	F	ILGA WINICOV, cDNA Encoding Putative Zinc Finger Motifs from Salt-Tolerant Alfalfa (Medicago sativa L.) Cells, Plant Physiol., 1993, 681-682, Vol. 102.	
	G	CE DEUTCH, Post-transcriptional regulation of a salt-inducible alfalfa gene encoding a putative chimeric proline-rich cell wall protein, Plant Mol Biol., 1995, (ABSTRACT ONLY)	
	H	ILGA WINICOV, Transgenic Overexpression of the Transcription Factor Alfin1 Enhances Expression of the Endogenous MsPRP2 Gene in Alfalfa and Improves Salinity Tolerance of the Plants, Plant Physiology, June 1999, 473-480, Vol. 120	
	I	DHUNDY R. BASTOLA, Alfin1, a novel zinc-finger protein in alfalfa roots that binds to promoter elements in the salt-inducible MsPRP2 gene, Plant Molecular Biology, 1998, 1123-1135, Vol. 38, Kluwer Academic Publishers, Netherlands	
	J	FJ RAUSCHER 3rd, Binding of the Wilms' tumor locus zinc finger protein to the EGR-1 consensus sequence, Science, Nov. 1990, 1259-1262, Vol. 4985 (ABSTRACT ONLY)	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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Application Number 09/647,841

Filing Date October 5, 2000

First Named Inventor Ilga Winicov

Art Unit 1638

Examiner Name Baum, Stuart F.

Attorney Docket Number 112624.00020

Sheet

3

of

3

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	K	YURI T. YAMAMOTO, Characterization of cis-Acting Sequences Regulating Root-Specific Gene Expression in Tobacco, The Plant Cell, April 1991, 371-382, Vol. 3, American Society of Plant Physiologists	
	L	E. ADAM, Transcription of tobacco phytochrome-A genes initiates at multiple start sites and requires multiple cis-acting regulatory elements, Plant Mol Biol., Dec. 1995, 983-993 Vol. 29 (ABSTRACT ONLY)	
	M	GA MIGNERY, Molecular characterization of the patatin multigene family of potato, Gene, 1988, 27-44, Vol. 62(1). (ABSTRACT ONLY)	
	N	F. SATO, Ethylene-induced gene expression of osmotin-like protein, a neutral isoform of tobacco PR-5, is mediated by the AGCCGCC cis-sequence, Plant Cell Physiol., Apr. 1996 249-255 Vol. 37(3) (ABSTRACT ONLY)	

Examiner
Signature

Date
Considered

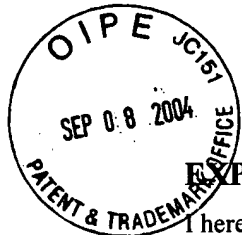
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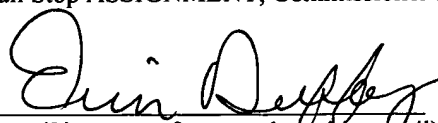


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and Deposit: September 8th, 2004

By:


(Signature of person depositing mail)

ERIN DUFFY
(Typed/Printed Name)

CERTIFICATE OF MAILING PURSUANT TO 37 C.F.R. 1.10

In re Application of: WINICOV, Ilga

Serial No.: 09/647,841

Filed: October 5, 2000

For: *EXPRESSION OF ALFINI AND METHODS FOR
PRODUCING TRANSGENIC PLANTS HAVING
INCREASED ROOT GROWTH AND ROOT SPECIFIC
GENE ACTIVATION*

Attorney Docket No.: 112624.00020

Group Art Unit: 1638

Examiner: Baum, Stuart F.

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